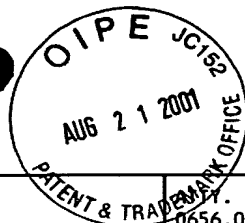


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IHLE *et al.*FILING DATE  
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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE       | NAME                 | CLASS | SUB-CLASS | FILING DATE |
|---------------------|-----|-----------------|------------|----------------------|-------|-----------|-------------|
| QN                  | AA1 | 5,190,931       | 03/02/1993 | Inouye <i>et al.</i> | 435   | 91        | 11/15/1989  |
| QN                  | AB1 | 6,210,654 B1    | 04/03/2001 | Ihle <i>et al.</i>   | 424   | 9.2       | 10/08/1997  |
|                     | AC  |                 |            |                      |       |           |             |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| QN                  | AL1 | WO 92/10519     | 06/25/1992 | WIPO    |       |           | Yes<br>No   |
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|                     | AN  |                 |            |         |       |           | Yes<br>No   |
|                     | AO  |                 |            |         |       |           | Yes<br>No   |
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|    |   |   |
|----|---|---|
| AR | 1 | <del>Argetsinger, L.S. <i>et al.</i>, "Identification of JAK2 as a Growth Hormone Receptor-Associated Tyrosine Kinase," <i>Cell</i> 74:237-244, Cell Press (July 1993).</del>   |
| AS | 1 | <del>Bartholomew, C. and J.N. Ihle, "Retroviral Insertions 90 Kilobases Proximal to the <i>Evi-1</i> Myeloid Transforming Gene Activate Transcription from the Normal Promoter," <i>Mol. Cell Biol.</i> 11(4):1820-1828, American Society for Microbiology (1991).</del>  |
| AT | 1 | <del>Bird, T.A. <i>et al.</i>, "Evidence that MAP (Mitogen-Activated Protein) Kinase Activation May Be a Necessary, but not Sufficient, Signal for a Restricted Subset of Responses in IL-1-Treated Epidermoid Cells," <i>Cytokine</i> 4(6):429-440, International Cytokine Society, Academic Press Ltd. (November 1992).</del> |

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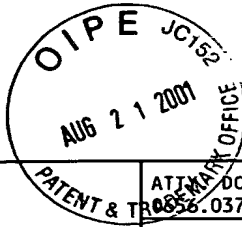
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|                     | AL |                 |      |         |       |           | Yes<br>No   |
|                     | AM |                 |      |         |       |           | Yes<br>No   |
|                     | AN |                 |      |         |       |           | Yes<br>No   |
|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|               |              |   |
|---------------|--------------|---|
| <del>AR</del> | <del>2</del> | <del>Campbell, G.S. <i>et al.</i>, "Evidence for Involvement of the Growth Hormone Receptor-associated Tyrosine Kinase in Actions of Growth Hormone," J. Biol. Chem. 268(10):7427-7434, The American Society for Biochemistry and Molecular Biology, Inc. (April 1993).</del>               |
| <del>AS</del> | <del>2</del> | <del>Carroll, M.P. <i>et al.</i>, "Erythropoietin Induces Raf-1 Activation and Raf-1 is Required for Erythropoietin-mediated Proliferation," J. Biol. Chem. 266(23):14964-14969, The American Society for Biochemistry and Molecular Biology, Inc. (1991).</del>                            |
| <del>AT</del> | <del>2</del> | <del>Carroll, M.P. <i>et al.</i>, "Interleukin-3 and Granulocyte-Macrophage Colony-stimulating Factor Mediate Rapid Phosphorylation and Activation of Cytosolic c-ras," J. Biol. Chem. 265(32):19812-19817, The American Society for Biochemistry and Molecular Biology, Inc. (1990).</del> |

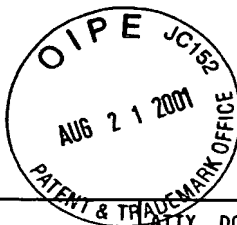
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|                  | AL |                 |      |         |       |           | Yes<br>No   |
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|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| AR | 3 | <del>Cleveland, J.L. <i>et al.</i>, "Tyrosine Kinase Oncogenes Abrogate Interleukin-3 Dependence of Murine Myeloid Cells through Signaling Pathways Involving c-myc: Conditional Regulation of c-myc Transcription by Temperature-Sensitive v-abl," Mol. Cell. Biol. 9(12):5685-5695, American Society (1989).</del> |
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| AT | 3 | <del>Edgington, S.M., "Molecular Crosstalk: Will virology and growth-factor research aid cytokine drug discovery?" <i>Biotecnol.</i> 11:465-468, Nature Publishing Co. (April 1993).</del>   |

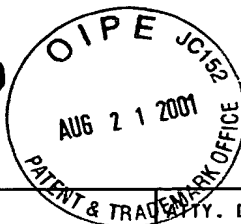
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|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|----|----|---|--|
| QW | AR | 4 | Firmbach-Kraft, I. <i>et al.</i> , "tyk2, prototype of a novel class of non-receptor tyrosine kinase genes," <i>Oncogene</i> 5:1329-1336, Macmillan Press Ltd. (1990).   |
|    | AS | 4 | Fu, X.-Y., "A Transcription Factor with SH2 and SH3 Domains is Directly Activated by an Interferon $\alpha$ -Induced Cytoplasmic Protein Tyrosine Kinase(s)," <i>Cell</i> 70:323-335, Cell Press (July 1992).  |
|    | AT | 4 | Fu, X.-Y. <i>et al.</i> , "The proteins of ISGF-3, the interferon $\alpha$ -induced transcriptional activator, define a gene family involved in signal transduction," <i>Proc. Natl. Acad. Sci. USA</i> 89:7840-7845, National Academy of Sciences of the USA (August 1992). |

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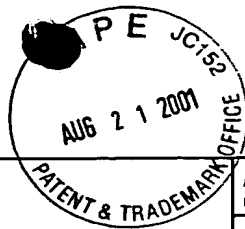
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|                     | AN |                 |      |         |       |           | Yes<br>No   |
|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |   |  |
|--|----|---|--|
|  | AR | 5 | Fung, M.-R. <i>et al.</i> , "A Tyrosine Kinase Physically Associates With the $\beta$ -Subunit of the Human IL-2 Receptor," <i>J. Immunol.</i> 147(4):1253-1260, The American Association of Immunologists (1991).   |
|  | AS | 2 | Gilmour, K.C. and N.C. Reich, "Receptor to nucleus signaling by prolactin and interleukin-2 via activation of latent DNA-binding factors," <i>Proc. Natl. Acad. Sci. USA</i> 91:6850-6854, National Academy of Sciences of the USA (July 1994).                        |
|  | AT | 5 | Goodman, P.A. <i>et al.</i> , "Role of Tyrosine Kinases in Induction of the <i>c-jun</i> Proto-oncogene in Irradiated B-lineage Lymphoid Cells," <i>J. Biol. Chem.</i> 273:17742-17748, The American Society for Biochemistry and Molecular Biology, Inc. (July 1998). |

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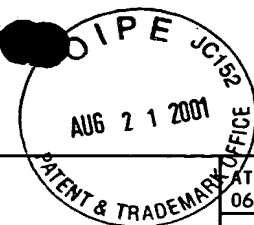
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|                     | AO |                 |      |         |       |           | Yes<br>No   |
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|    |    |   |  |
|----|----|---|--|
|    | AR | 6 | <del>Hanks, S.K. <i>et al.</i>, "The Protein Kinase Family: Conserved Features and Deduced Phylogeny of the Catalytic Domains," <i>Science</i> 241:42-52, Association for the Advancement of Science (1988).</del> |
| QW | AS | 6 | Harpur, A.G. <i>et al.</i> , "JAK2, a third member of the JAK family of protein tyrosine kinases," <i>Oncogene</i> 7:1347-1353, Macmillan Press Ltd. (July 1992).  |
|    | AT | 6 | <del>Howard, O.M.Z. <i>et al.</i>, "Characterization of a class 3 tyrosine kinase," <i>Oncogene</i> 7:895-900, Macmillan Press Ltd. (May 1992).</del>  |

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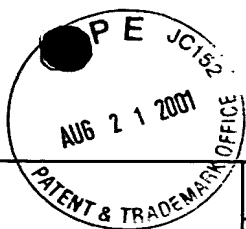
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|                     | AL |                 |      |         |       |           | Yes<br>No   |
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|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|    |   |   |
|----|---|---|
| AR | 7 | Hunter, T., "A Thousand and One Protein Kinases," <i>Cell</i> 50:823-829, Cell Press (1987).  |
| AS | 7 | Hunter, T., "Cytokine Connections," <i>Nature</i> 366:114-116, Macmillan Publishers Ltd. (November 1993).   |
| AT | 7 | Ihle, J.N., "Interleukin-3 and Hematopoiesis," in: <i>Interleukins: Molecular Biology and Immunology</i> , Kishimoto, T., ed., Karger, Basel, pp. 65-106. (1992). |

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|  |    |   |  |
|--|----|---|--|
|  | AR | 8 | <del>Ihle, J.N. and D. Askew, "Origins and Properties of Hematopoietic Growth Factor-Dependent Cell Lines," <i>Int. J. Cell Cloning</i> 7(2):68-91, AlphaMed Press (1989).</del>   |
|  | AS | 8 | <del>Ihle, J.N., "Cytokine receptor signalling," <i>Nature</i> 377:591-594, Macmillan Publishers Ltd. (October 1995).</del>  |
|  | AT | 8 | <del>Ip, N.Y. <i>et al.</i>, "CNTF and LIF Act on Neuronal Cells via Shared Signaling Pathways That Involve the IL-6 Signal Transducing Receptor Component gp130," <i>Cell</i> 69:1421-1432, MIT Press, (June 1992).</del> |

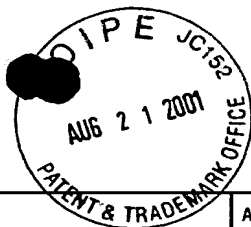
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## INFORMATION DISCLOSURE STATEMENT

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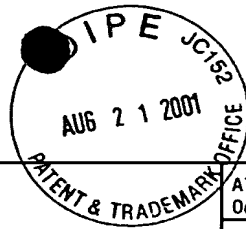
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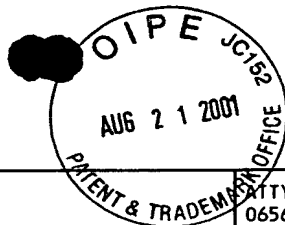
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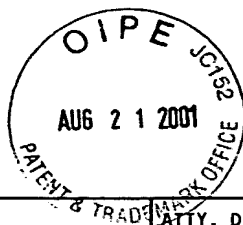
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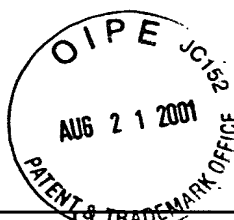
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|  | AS | 16 | <del>Quelle, F.W. <i>et al.</i>, "Interleukin 3, Granulocyte-Macrophage Colony-stimulating Factor, and Transfected Erythropoietin Receptors Mediate Tyrosine Phosphorylation of a Common Cytosolic Protein (pp100) in FDC-ER Cells," <i>J. Biol. Chem.</i> 267(24):17055-17060, The American Society for Biochemistry and Molecular Biology, Inc. (August 1992).</del> |
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|                     | AM |                 |      |         |       |           | Yes<br>No   |
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|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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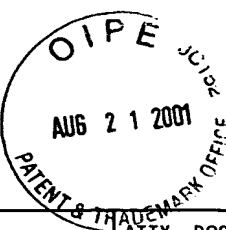
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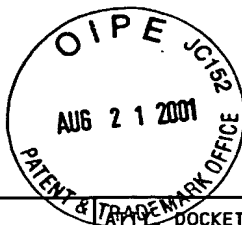
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|                     | AO |                 |      |         |       |           | Yes<br>No   |
|                     | AP |                 |      |         |       |           | Yes<br>No   |

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|                     | AN |                 |      |         |       |           | Yes<br>No   |
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|                     | AP |                 |      |         |       |           | Yes<br>No   |

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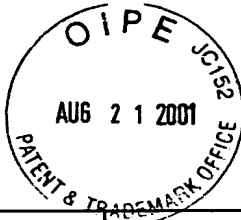
|  |    |    |  |
|--|----|----|--|
|  | AR | 22 | Velasquez, L. <i>et al.</i> , "A Protein Kinase in the Interferon $\alpha/\beta$ Signaling Pathway," <i>Cell</i> 70:313-322, MIT Press (July 1992).  |
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|                     | AO |                 |      |         |       |           | Yes<br>No   |
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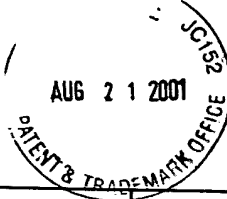


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|---|-----------------------------------|-------------------------------|
| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>0656.0370004  | APPLICATION NO.<br>09/397,967 |
|   | APPLICANT<br>IHLE <i>et al.</i>   |                               |
|   | FILING DATE<br>September 17, 1999 | GROUP<br>1632                 |

| U.S. PATENT DOCUMENTS |    |                 |      |      |       |           |             |
|-----------------------|----|-----------------|------|------|-------|-----------|-------------|
| EXAMINER INITIAL      |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|                       | AA |                 |      |      |       |           |             |
|                       | AB |                 |      |      |       |           |             |
|                       | AC |                 |      |      |       |           |             |
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|                       | AG |                 |      |      |       |           |             |
|                       | AH |                 |      |      |       |           |             |
|                       | AI |                 |      |      |       |           |             |
|                       | AJ |                 |      |      |       |           |             |
|                       | AK |                 |      |      |       |           |             |

| FOREIGN PATENT DOCUMENTS |    |                 |      |         |       |           |             |
|--------------------------|----|-----------------|------|---------|-------|-----------|-------------|
| EXAMINER INITIAL         |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|                          | AL |                 |      |         |       |           | Yes<br>No   |
|                          | AM |                 |      |         |       |           | Yes<br>No   |
|                          | AN |                 |      |         |       |           | Yes<br>No   |
|                          | AO |                 |      |         |       |           | Yes<br>No   |
|                          | AP |                 |      |         |       |           | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |               |  |   |
|--|---------------|--|---|
| <del>AR</del>  | <del>26</del> |  | <del>Yoshimura, A. and H. S. Lodish, "In Vitro Phosphorylation of the Erythropoietin Receptor and an Associated Protein," Mol. Cell. Biol. 12:706-715, American Society for Microbiology (February 1992).</del>                     |
| AS   | 26            |  | Yoshimura, A. <i>et al.</i> , "Point mutation in the exoplasmic domain of the erythropoietin receptor resulting in hormone-independent activation and tumorigenicity," <i>Nature</i> 348:647-649, Macmillan Publishers Ltd. (1990). |
| AT   |               |  |   |

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|---|-----------------------------|
| EXAMINER <span style="float:right"><i>Quay Nguyen</i></span>  | DATE CONSIDERED<br>11/13/07 |
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